APRIL/MAY 2025

CSC41/FSC41 — RELATIONAL DATABASE MANAGEMENT SYSTEMS

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is Relational Database System?
2. Name three different types of languages.
3. Define the term Integrity Constraints.
4. What is DDL?
5. List out the two goals of Normalization.
6. Define commit command.
7. What is Bind Variables?
8. What is File?
9. Define Explicit Cursors.
10. What is Functions?

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SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the Purpose of Database Systems.

Or

(b) What is Data Base Administrator? Discuss the functions of DBA.

12. (a) Write the detail note on Nested Sub queries.

Or

(b) Explain the Entity - Relationship Model.

13. (a) Describe the Third Normal Form (3NF) in detail.

Or

(b) Write in detail about the Transaction Properties.

14. (a) Explain the different statements used in PL/SQL.

Or

(b) How to organize the records in files? Explain.

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15. (a) Briefly explain about Implicit Cursors.

Or

(b) Explain the Package with an example.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the different Keys used in relational database with an example.

17. Discuss Aggregate Functions in detail.

18. Describe the Fifth Normal Form (5NF) in detail.

19. Explain in detail about PL/SQL Block Structure

20. Explain Triggers with an example.

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